

APPARATUS FOR THE OPERATION OF A MICROFLUIDIC DEVICE

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ABSTRACT

In a system for operation or handling of a laboratory microchip (41) for chemical processing or analysis, the microchip (41) is mounted in a first physical unit (42).

10 The microchip (41) is arranged on a mounting plate, such that it is readily accessible from the top and thus the fitting and removal of the microchip is considerably simplified.

Furthermore, the first physical unit (42) comprises an optical device (43) for contactless detection of the results of the chemical processes conducted on the microchip. The supply systems necessary for the operation of the microchip are arranged in a module unit that has a
15 separable connection with a second physical unit. The proposed modular layout enables ease of interchangeability of the required supply systems and thus, overall, ease of adaptability of the proposed system for various types of microchips.